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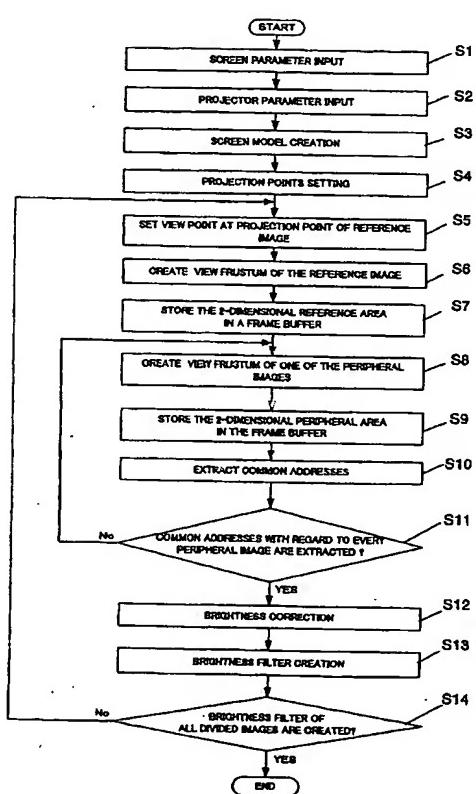
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(54) Title: METHOD FOR CREATING BRIGHTNESS FILTER AND VIRTUAL SPACE CREATION SYSTEM



(57) **Abstract:** A method for creating brightness filters. The brightness filters are used in a projection system in which divided images are projected on a curved screen from a plurality of projectors with adjacent divided images overlapped partially, in order to adjust brightness of the divided images beforehand so that brightness of overlapping areas between the divided images is in harmony with brightness of non-overlapping areas. The feature of the present invention resides in that the method includes a step of: allocating one of the divided images to a reference image and allocating each of the adjacent divided images to a peripheral image, setting a view point that is coincident with the projection point of the reference image, and obtaining a 2-dimensional reference area of the reference image that is rendered on the screen model and is viewed from the view point.

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